

**CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS
NEW COURSE PROPOSAL**

DATE 10/19/06
PROGRAM AREA COMPUTER SCIENCE

1. Catalog Description of the Course. *[Follow accepted catalog format.]*

Prefix COMP Course# 491 Title CAPSTONE PREPARATION Units (1)

1 hours seminar per week
hours blank per week

- Prerequisites Comp 350, Comp 362, Senior standing in the Computer Science major
 Corequisites

Description Research and develop a proposal for a significant software project under faculty supervision..

- Gen Ed CR/NC Repeatable for up to 3 units
Categories
 Lab Fee Required A - F Total Completions Allowed
 Title V Section 40404: Government US Constitution US History Multiple Enrollment in same semester

2. Mode of Instruction.

	Units	Hours per Unit	Benchmark Enrollment	Graded Component	CS & HEGIS # (filled in by Dean)
Lecture				<input type="checkbox"/>	
Seminar	1	1	15	<input checked="" type="checkbox"/>	
Laboratory				<input type="checkbox"/>	
Activity				<input type="checkbox"/>	

3. Justification and Learning Objectives for the Course. (Indicate whether required or elective, and whether it meets University Writing, and/or Language requirements) *[Use as much space as necessary]*

This course will allow senior Computer Science students to prepare for their Capstone Project (COMP499). The students are expected to select the topic for their projects, select an advisor, conduct preparatory literature searches, select approaches, tools and methodologies, and construct a plan with the timeline for their project. The preparations made in this course will enable the students to begin working on their projects from the start of the semester, so the objectives of the Capstone Project course can be achieved.

Learning Objectives

- Set capstone goals and objectives
- Recognize fields of study that are relevant to the problem at hand
- Conduct a literature search to build a reading list necessary to approach a problem
- Select approaches for problem resolution
- Construct plans for resolving problems
- Select collaborators for resolving problems
- Organize and express ideas clearly and convincingly in written and oral form

This course is not designed to satisfy the University Writing or Language requirements.

- 4. Is this a General Education Course** YES NO
If Yes, indicate GE category and attach GE Criteria Form:

A (English Language, Communication, Critical Thinking)

- A-1 Oral Communication
- A-2 English Writing
- A-3 Critical Thinking

B (Mathematics, Sciences & Technology)

- B-1 Physical Sciences
- B-2 Life Sciences – Biology
- B-3 Mathematics – Mathematics and Applications
- B-4 Computers and Information Technology

C (Fine Arts, Literature, Languages & Cultures)

- C-1 Art
- C-2 Literature Courses
- C-3a Language
- C-3b Multicultural

D (Social Perspectives)

- E (Human Psychological and Physiological Perspectives)**
- UD Interdisciplinary**

5. Course Content in Outline Form. *[Be as brief as possible, but use as much space as necessary]*

Variable by student.

Topic selection process

- Research area of interest in Computer Science
- Develop a proposal for a Capstone Project
- Develop a project plan- short
- Make presentation of chosen project.

Does this course overlap a course offered in your academic program? YES NO

If YES, what course(s) and provide a justification of the overlap?

Does this course overlap a course offered in another academic area? YES NO

If YES, what course(s) and provide a justification of the overlap?

Signature of Academic Chair(s) of the other academic area(s) is required on the signature sheet below.

6. Cross-listed Courses (Please fill out separate form for each PREFIX)

List Cross-listed Courses

Signature of Academic Chair(s) of the other academic area(s) is required on the signature sheet below.

Department responsible for staffing: Computer Science

7. References. *[Provide 3 - 5 references on which this course is based and/or support it.]*

8. List Faculty Qualified to Teach This Course.

All Computer Science faculty

9. Effective Date and Frequency.

- a. Projected semesters to be offered: Fall Spring Summer
- b. First semester offered: Fall 2007

10. New Resources Required. YES NO

If YES, list the resources needed and obtain signatures from the appropriate programs/units on the sheet below.

- a. Computer (data processing), audio visual, broadcasting needs, other equipment)
- b. Library needs
- c. Facility/space needs

11. Will this new course alter any degree, credential, certificate, or minor in your program? YES NO
If, YES attach a program modification form for all programs affected.

William Wolfe
Proposer of Course

10/13/2006
Date

